Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

1.   (Original) Machine-readable coded data disposed on or in a substrate in accordance with a layout, the layout having six-fold rotational symmetry, the layout including six identical sub-layouts rotated 1/6 revolutions apart about a center of rotational symmetry of the layout, the coded data disposed in accordance with each sub-layout including rotation-indicating data that distinguishes the rotation of that sub-layout from the rotation of at least one other sub-layout within the layout.

2.   (Original) Machine-readable coded data according to claim 1, wherein the rotation-indicating data distinguishes the rotation of the sub-layout from the rotation of each of the other sub-layouts within the layout.

3.   (Original) Machine-readable coded data according to claim 1 or claim 2, wherein the coded data is redundantly encoded and the coded data of each sub-layout includes at least one coded data codeword.

4.   (Original) Machine-readable coded data according to claim 3, wherein the coded data is redundantly encoded using a Reed-Solomon encoding.

5.   (Original) Machine-readable coded data according to claim 1, wherein each sub-layout defines a plurality of positions of data elements, the sub-layouts being interleaved with each other without any two data elements overlapping each other.

6.   (Original) Machine-readable coded data according to claim 1, wherein the layout is repeated on the substrate.

7.   (Original) Machine-readable coded data according to claim 6, wherein the layouts are packed together on the substrate.

8.   (Original) Machine-readable coded data according to claim 1, wherein the layout is hexagonal.

~~10~~9.   (Currently Amended) Machine-readable coded data according to claim 1, including one or more target features for enabling preliminary location and rotation of the layout to be determined by a machine used to read the coded data.

~~11~~10.   (Currently Amended) Machine-readable coded data according to claim ~~10~~9, wherein the target features are configured to enable perspective correction of the coded data of the, or each, layout upon reading by the machine.

~~12~~11.   (Currently Amended) Machine-readable coded data according to claim ~~11~~10, including at least four of the target features.

~~13~~12.   (Currently Amended) Machine-readable coded data according to ~~any one of claims 9 to 11~~claim 8, including a plurality of the layouts, wherein at least some of the target features are shared by at least two of the layouts.

~~14~~13.   (Currently Amended) Machine-readable coded data according to claim 1, the coded data being printed onto the substrate.

~~15~~14.   (Currently Amended) Machine-readable coded data according to claim ~~14~~13, wherein the coded data is printed onto the surface in ink that is of low-visibility or is invisible to an average unaided human eye.

~~16~~15.   (Currently Amended) Machine-readable coded data according to claim ~~15~~14, wherein the ink is an infrared ink that is substantially invisible to an average unaided human eye.

~~17~~16.   (Currently Amended) Machine-readable coded data according to claim 1, wherein the coded data of each layout or sub-layout defines user data.

~~18~~17.   (Currently Amended) Machine-readable coded data according to claim ~~17~~16, wherein the user data includes location data indicative of a position of the layout pattern

relative to a region of the surface.

~~19~~18.   (Currently Amended) Machine-readable coded data according to claim ~~17~~16, wherein the user data includes identification data identifying a region of the surface within which the layout is disposed.

~~20~~19.   (Currently Amended) Machine-readable coded data according to ~~any one of claims 17 to 19~~claim 16, wherein the user data includes function data identifying a function to be performed upon reading of the layout pattern or sub-pattern by the machine.

~~21~~20.   (Currently Amended) Machine-readable coded data according to claim 1, wherein at least some of the coded data is not disposed in the sub-layouts.

~~22~~21.   (Currently Amended) A surface bearing machine-readable coded data ~~in accordance with~~according to ~~any one of the preceding claims~~claim 1.

~~23~~22.   (Currently Amended) A surface according to claim ~~20~~21, the surface being flat or curved.

~~24~~23.   (Currently Amended) A surface according to claim ~~22~~21, further including visible markings.

~~25~~24.   (Currently Amended) A surface according to claim ~~24~~23, wherein the visible markings include any one or more of the following:

       text;

       graphics;

       images;

       forms;

       fields; and

       buttons.

~~26~~25.   (Currently Amended) A surface according to claim ~~24~~23, wherein the visible markings are disposed adjacent to, or coincident with, at least some of the coded data.

~~27~~26.   (Currently Amended) A surface according to claim ~~22~~21, the surface being defined by a substrate.

~~28~~27.   (Currently Amended) A surface according to claim ~~27~~26, wherein the substrate is paper, card or another laminar medium.

~~29~~28.   (Currently Amended) A surface according to claim ~~22~~21, configured for use as an interface surface for enabling user interaction with a computer.

~~30~~29.   (Currently Amended) A method of generating an interface surface, including the steps of:

        receiving, in a printer, user data;

        generating machine-readable coded data incorporating the user data, in accordance with claim ~~17~~16; and

        printing the coded data onto a substrate.

~~31~~30.   (Currently Amended) A method according to claim ~~30~~29, further including the step of printing visible markings on the substrate.

~~32~~31.   (Currently Amended) A method according to claim ~~31~~30, wherein the coded data and visible markings are printed onto the substrate substantially simultaneously.

~~33~~32.   (Currently Amended) A method of using a sensing device to read machine-readable coded data according to ~~any one of claims 1 to 21~~claim 1, the method including the steps of:

(a)   reading, using the sensing device, the coded data of the layout;

(b)   decoding the coded data of at least one of the sub-layouts of the layout, thereby determining at least the rotation-indicating data of that sub-layout; and

(c)   using the rotation-indicating data to determine a rotational position of at least one of the remaining sub-layouts to be decoded.

~~34~~33.   (Currently Amended) A method according to claim ~~33~~32, wherein step (a) includes the substeps of:

        imaging the substrate to generate an image thereof;

        processing the image to locate one or more target features of the coded data; and

on the basis of the located target features, determining a position of at least one of the sub-layouts.